

☐ CORRECTION

<b>NTIS COMPUTER PRODUCTS CATALOG DATA SHEET</b>		<b>1. ACCESSION NO.</b>	<b>2. CONTRIBUTING AGENCY REPORT NO.</b>  DOD/SW/DK-89/007	<b>3. SUBJECT</b>
<b>4. PRODUCT (circle one)</b>				
		<b>DATA FILE</b>	<b>PUBLICATION</b>	
DATA BASE REFERENCE SERVICE		<b>SOFTWARE</b>		MODEL, SIMULATION
<b>5. AGENCY, BUREAU, DIVISION, AND ADDRESS</b> Department of Army The Hydrologic Engineering Center, Corps of Engineers 609 Second Street Davis, California 95616				
<b>6. PRODUCT NAME (Use agency nomenclature)</b>  Statistical Analysis of Time Series Data (STATS) (for Microcomputers)				
<b>7. DESCRIPTORS OF PRODUCT (Keywords, identifiers, etc.) *Software,</b> Statistical Hydrology Time Series Data Analysis Statistical Analysis Computer Program Diskette				
<b>8. DATES OF COVERAGE (For one-time reports, use as-of-date; for software, use date and release no.)</b>  Version Oct 85			<b>9. FILE SIZE IN NO. OF:</b>  REELS [ ] [ ] [ ] PUNCHED CARDS [ ] [ ] [ ] [ ] [ ] Diskettes	
<b>10. AVAILABILITY STATEMENT - AGENCY NAME AND ADDRESS, ORDER NO., ETC. (If NTIS sells, leave blank)</b>				
<b>11. PRICE INFORMATION</b>  Price Code: D01 \$50.00 Price includes documentation;				
<b>12. GEOGRAPHIC SCOPE</b>  No restrictions				
<b>13. TECHNICAL REPRESENTATIVES (List at least one for subject and one for media)</b>				
<b>NAME</b>	<b>TITLE</b>	<b>PHONE NO.</b>		
Harold Kubik	Research Hydraulic Engineer	(916) 551-1748		
Harry Dotson	Hydraulic Engineer	(916) 551-1748		
<b>14. DOCUMENTATION</b>		<b>EXPECTED AVAILABILITY DATE</b>		
<input checked="" type="checkbox"/> AVAILABLE as:		NA		

## 15. COMPUTER PRODUCT ABSTRACT

The computer program STATS is designed to reduce large volumes of daily or monthly data to a few meaningful statistics or curves. The program will perform the following analyses: (1) duration curves, (2) annual maximum events, (3) annual minimum events (4) departures of monthly and annual values from respective means, and (5) annual volume-duration exchange of high and low events.

The daily or monthly data to be used as input to this program can follow in the data file or the data can be accessed through HEC's Data Storage System (DSS). This latter capability provides for the analysis of output from other HEC programs like HEC5. The frequency analysis may be analytical for data that tends to follow a theoretical distribution, e.g. annual maximum daily flows; or graphical for those data that do not tend to follow any known distribution, e.g. regulated flows. The input data may be transformed to logarithms for the statistical analyses, if so desired...Software Description: The software is written in the Fortran programming language for implementation on IBM-PC or compatible machines using MS/PC DOS 2.1+ operating system. Memory requirement is 512K. Special features/requirements: Math coprocessor (8087/80287/80387).

(Kt) ←

## 16. DATA FILE TECHNICAL DESCRIPTION

The software is contained on 5¼-inch diskette(s), double density (360K), compatible with the IBM/PC microcomputer. The diskettes are in the ASCII format.

## 17. SOFTWARE TECHNICAL DESCRIPTION

Software is written in:

Fortran ☒ COBOL \_\_\_\_\_ Basic \_\_\_\_\_ Assembly \_\_\_\_\_ Other (Specify) \_\_\_\_\_

Software requires:

CPR Mfr. IBM PC Model(s) \_\_\_\_\_ Operating system(s) MS/PC DOS 2.1+

Minimum of 512 K bytes core. The following special features and/or additional requirements in hardware:

One 5 1/4 inch floppy disk drive.

Math coprocessor (8087/80287/80387)

SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO., AND DATE

SIGNATURE OF NTIS REPRESENTATIVE AND DATE FORM PREPARED

# COMPUTER MAGNETIC TAPE FILE PROPERTIES

01. Completion Date Year    Month    Day 			02. Form Prepared By (Name and Phone)  Vernon R. Bonner			03. Reel ID Number (Property Control No.)	
04. Recording Date Year    Month    Day 			05. File Identifier or Descriptive Title  Statistical Analysis of Time Series Data (STATS)			06. Short Title (External Label Name)  STATS	
07. Source Unavailable Year    Month    Day 			08. Documentation Yes    No    Available <input checked="" type="checkbox"/> (Enter Citation)			09. File Position on Reel  _____ of _____	
10. To Be Returned Yes    No    To Other Than The Sender <input type="checkbox"/> <input checked="" type="checkbox"/>			11. Submitting Organization & Address Department of Army The Hydrologic Engineering Center Corps of Engineers 609 Second Street Davis, California 95616			12. Receiving Organization & Address United States Department of Commerce National Technical Information Service 5285 Port Royal Road Springfield, Virginia 22161	
13. Due Back Date Year    Month    Day 							
14. Technical Contact(s) & Phone Number(s)  Harold Kubik, Harry Dotson (916) 551-1748							

## RECORDING SYSTEM CHARACTERISTICS

EQUIPMENT MANUFACTURER AND MODEL	15. Processing Unit IBM PC or compatibles	17. No. of Tracks 7    9    Other			18. Parity Odd    Even		19. Density (BPI)
	16. Tape Subsystem						
RECORDING SOFTWARE	20. Operating System, Release & Version MS DOS 2.1 or greater	22. Internal File Identifier					
	21. Utility Program or Data Base Language						
23. Characters Set (Graphics) <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> BCD <input type="checkbox"/> Other (Specify) <input type="checkbox"/> EBCDIC <input type="checkbox"/> FIELDATA <input type="checkbox"/> Non-Print Codes		24. Recorded Label (Internal Label) <input type="checkbox"/> Header <input type="checkbox"/> ANSI X 3.27 Standard <input type="checkbox"/> Other <input type="checkbox"/> Trailer <input type="checkbox"/> FIPS Standard <input checked="" type="checkbox"/> None					

## FILE CHARACTERISTICS

NUMBER OF RECORDS	25. Physical	27. Record Type <input checked="" type="checkbox"/> Fixed Length <input type="checkbox"/> Other Than Fixed	28. Records/Block (Blocking Factor)  1	29. TYPE OF FILE ORGANIZATION (Check One Box)  <input type="checkbox"/> One File One Reel <input type="checkbox"/> One File Multiple Reels <input checked="" type="checkbox"/> Multiple Files One Diskette <input type="checkbox"/> Multiple Files Multiple Diskettes
	26. Logical			
RECORD LENGTH	30. Physical 80 <input checked="" type="checkbox"/> Bytes <input type="checkbox"/> Chars. <input type="checkbox"/> Words (    Bits/Word)			
	31. Logical <input type="checkbox"/> Bytes <input type="checkbox"/> Chars. <input type="checkbox"/> Words (    Bits/Word)			

## SUPPLEMENTAL INFORMATION

32. Use/Handling Constraints (Specify if Yes)	
Yes    No	 <input checked="" type="checkbox"/>
33. For Submitting Organization Use  STATS is provided on one 5 1/4 double-sided 360 KB floppy diskette. Implementation guide in file README.DOC.	